

## Characteristics:

High torque DC motor

## Specifications:

|                              |                    |
|------------------------------|--------------------|
| Dimensions                   | : Ø 35.8 X 57.0 mm |
| Shaft Diameter               | : Ø 3.175 mm       |
| Input Voltage                | : 14.4 V DC        |
| No Load Speed                | : 18700 rpm        |
| No Load Current              | : 2.10 A           |
| Nominal Speed                | : 16500 rpm        |
| Nominal Torque               | : 100.00 mNm       |
| Nominal Current              | : 15.30 A          |
| Stall Torque                 | : 835.00 mNm       |
| Stall Current                | : 111.00 A         |
| Maximum Output Power         | : 410.00 W         |
| Maximum Efficiency           | : 79%              |
| Torque at Maximum Efficiency | : 100.00 mNm       |
| Speed at Maximum Efficiency  | : 16500 rpm        |
| Life (Typical)               | : 50 hr            |
| Weight                       | : 240 g            |
| Operating Temperature Range  | : -10 to 55 °C     |
| Storage Temperature Range    | : -20 to 80 °C     |
| Electrical Connection        | : Leadwires        |



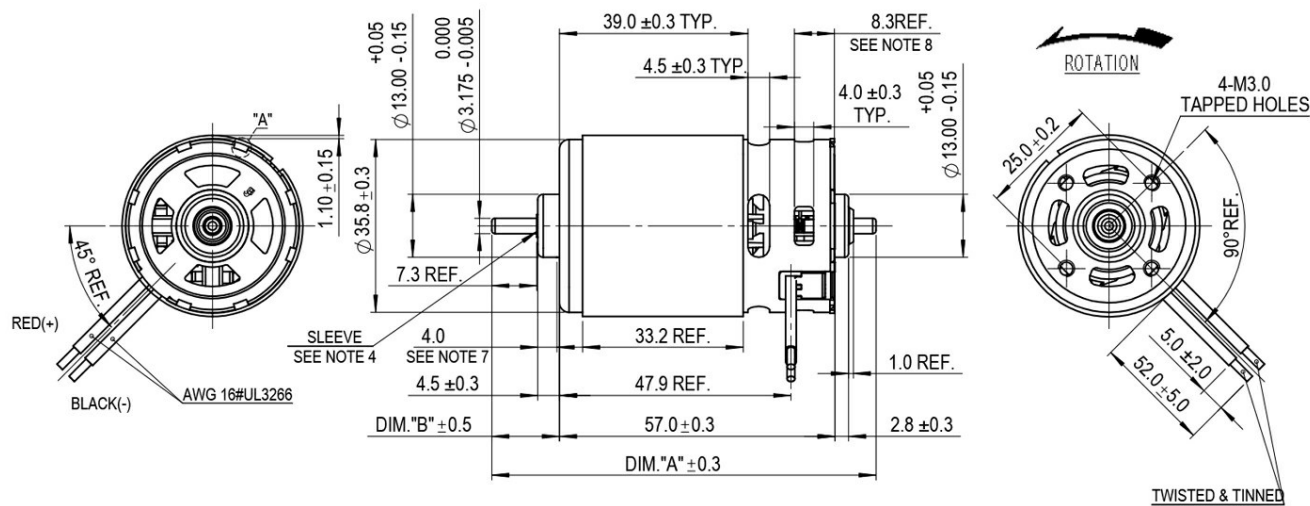
## Performance Data:

|                  | No Load | Stall  | Maximum Efficiency | Maximum Power |
|------------------|---------|--------|--------------------|---------------|
| Current (A)      | 2.10    | 111.00 | 15.30              | 56.60         |
| Efficiency (%)   | -       | -      | 79                 | 50            |
| Output Power (W) | -       | -      | 175.00             | 410.00        |
| Speed (rpm)      | 18700   | -      | 16500              | 9400          |
| Torque (mNm)     | -       | 835.00 | 100.00             | 418.00        |

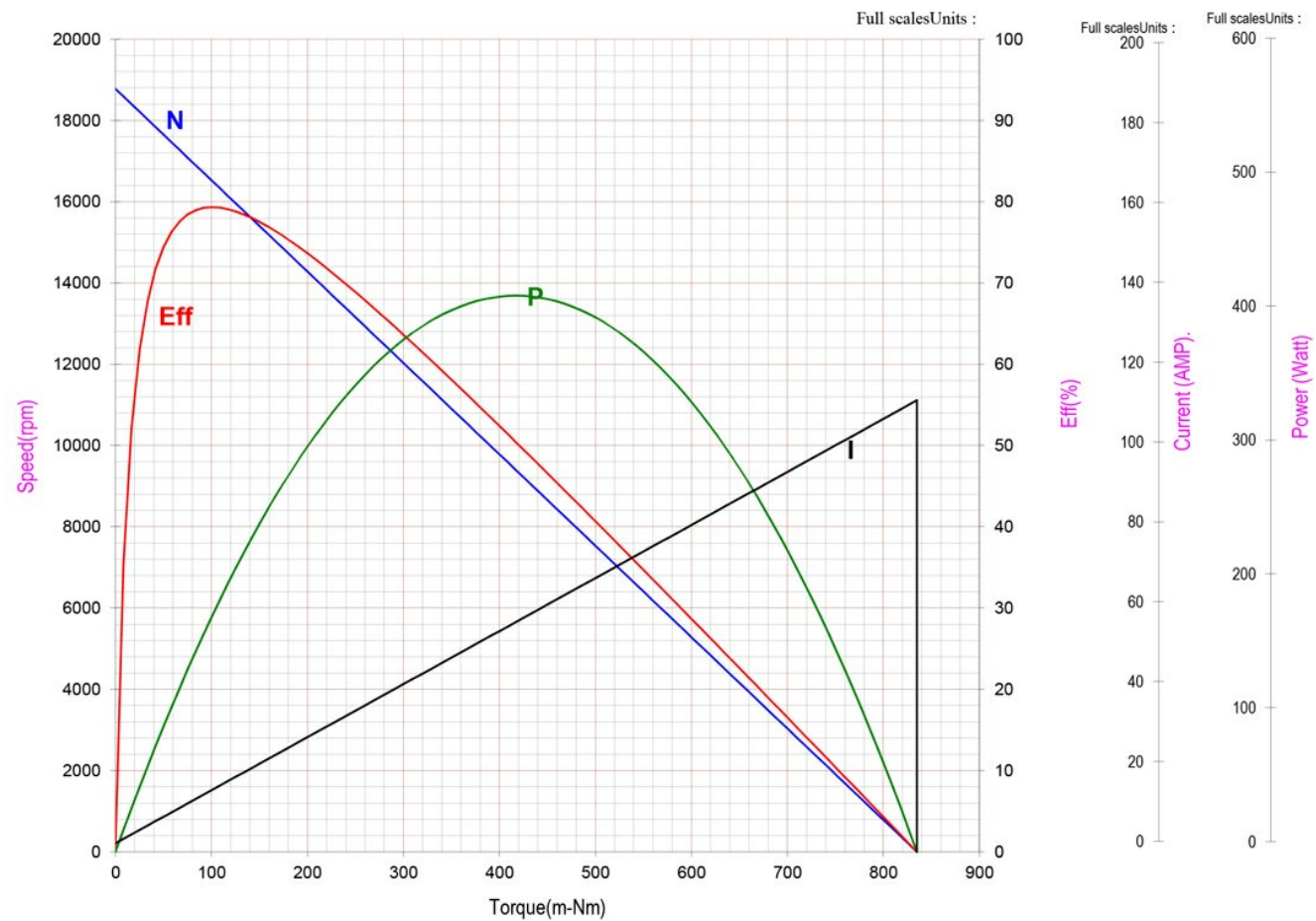
## Application Examples:

Power Tools

Outline Drawing:



Performance Curves:



Units in Metric